

ANAHIM LAKE AIRPORT (CAJ4)
APRON I EXPANSION PROJECT



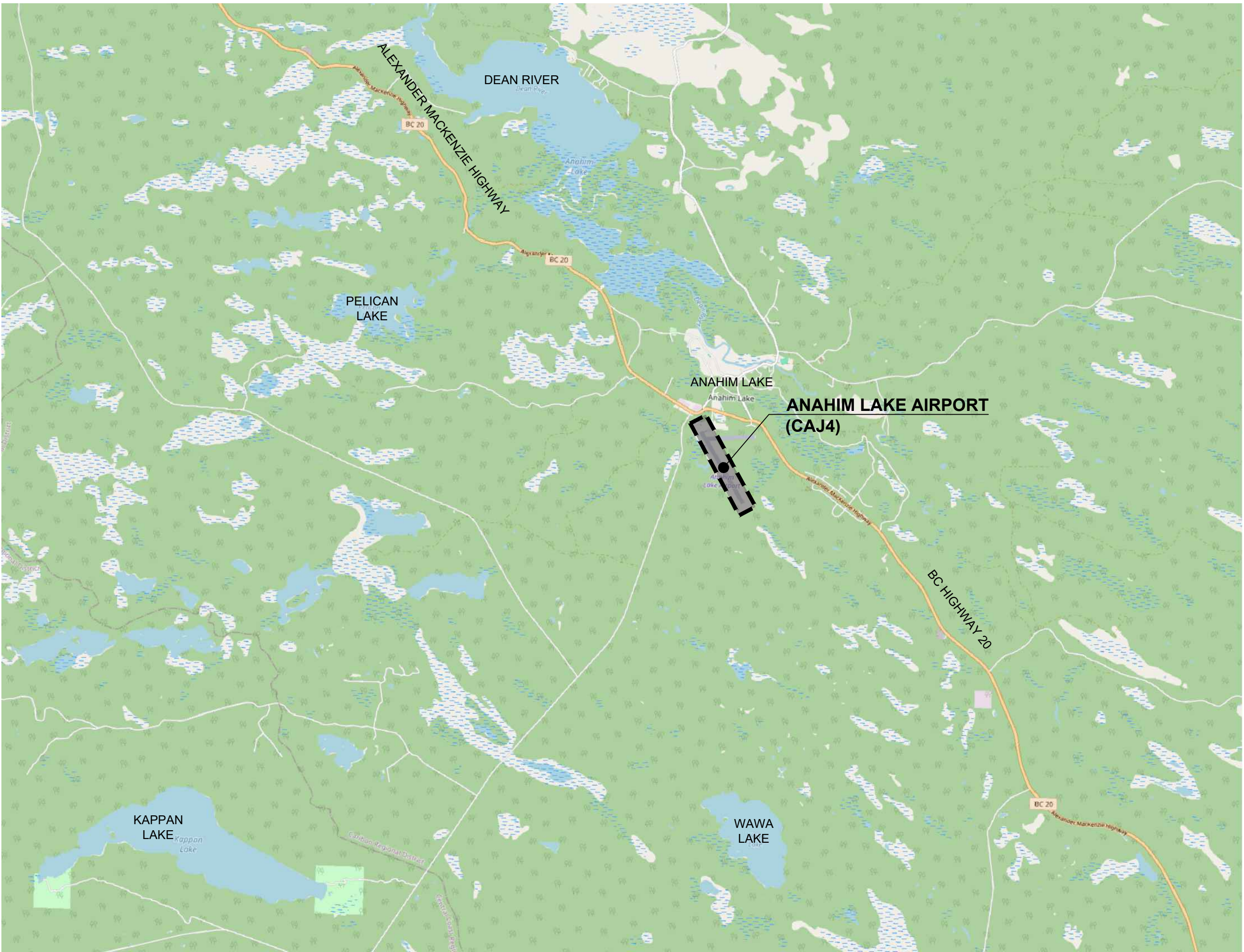
DRAWING LIST

SHEET NUMBER	SHEET TITLE
C-001	COVER SHEET
C-010	CIVIL SITE PLAN
C-011	CONSTRUCTION OPERATIONS PLAN
C-020	CIVIL REMOVALS PLAN
C-030	SURFACE GRADING PLAN - APRON REHABILITATION
C-031	SURFACE GRADING PLAN - PARTIAL APRON EXPANSION
C-032	SURFACE GRADING PLAN - FULL APRON EXPANSION
C-040	PROFILE & CROSS-SECTIONS - APRON REHABILITATION
C-041	PROFILE & CROSS-SECTIONS - PARTIAL APRON EXPANSION
C-042	PROFILE & CROSS-SECTIONS - FULL APRON EXPANSION
C-050	TYPICAL CIVIL DETAILS

BENCHMARK INFORMATION

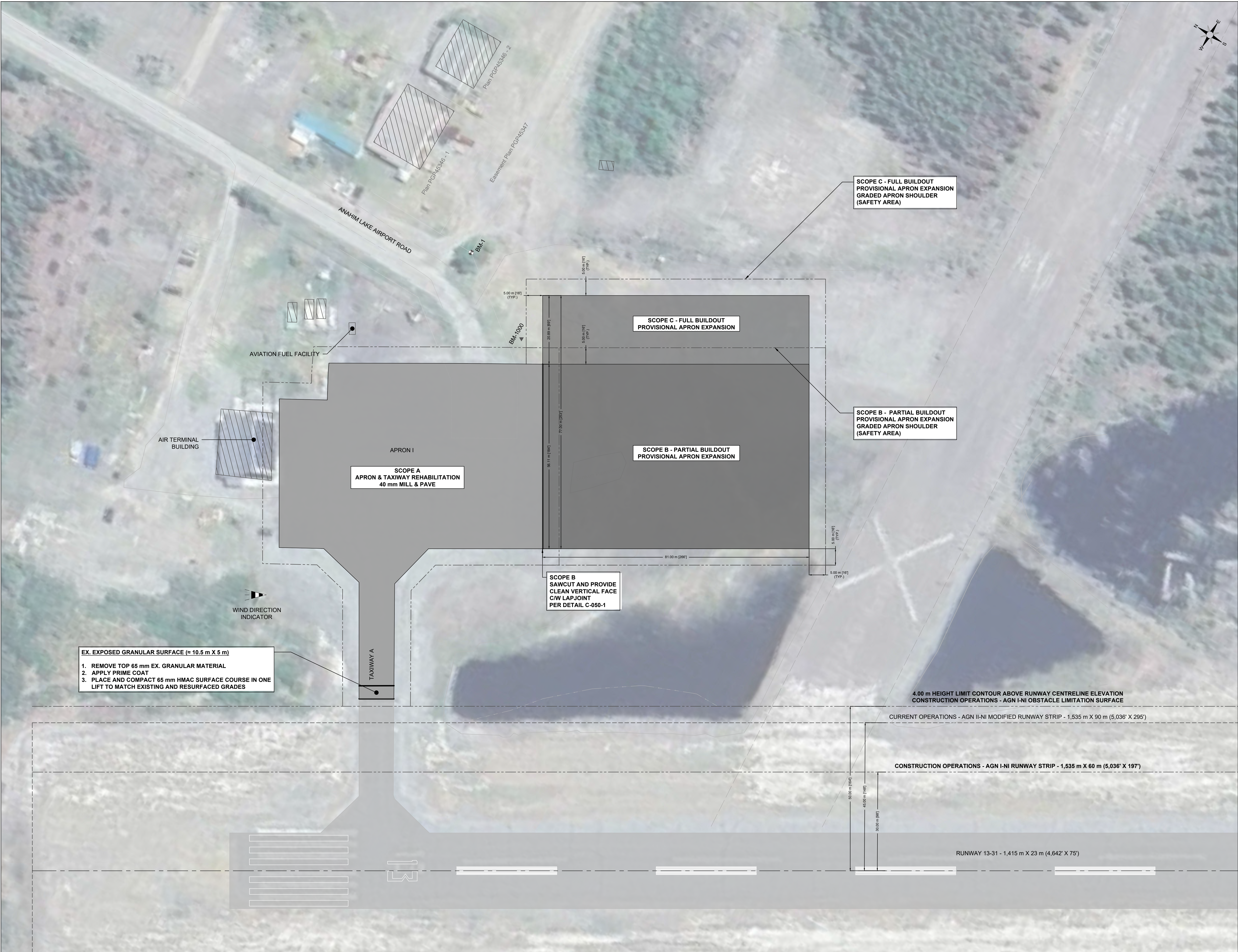
UTM NAD83 (CSRS) ZONE 10, EPOCH 2002.0	
BM-1	N 5814370.97 E 343307.62 Z=1101.08
BM-1000	N 5814344.58 E 343292.76 Z=1100.81

LOCATION MAP



ISSUED FOR TENDER

JULY 17, 2026



NOTES

- ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL COORDINATES ARE IN NAD83 (CSRS) UTM 21Q UNLESS OTHERWISE NOTED.
- TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
- GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.

SUBGRADE PREPARATION:

- STRIP EXISTING TOPSOIL AND STOCKPILE ONSITE FOR REUSE.
- EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON SITE FOR REUSE.
- REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
- ALL EXCESS MATERIAL TO BE BACKFILLED ONSITE AS DIRECTED BY AIRPORT MANAGER.
- EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- RASE GRADES AS REQUIRED IN MAXIMUM 300 mm LIFTS FOR FINE-GRAINED SOIL AND 300 mm FOR GRANULAR SOIL.
- COMPACT INITIAL LAYERS TO 98% MPO WITH FINAL 300 mm DEPTH TO BE COMPACTED TO MINIMUM 98% MPO. BRING TO NEAR OPTIMAL MOISTURE CONTENT FOR COMPACTION WHEN REQUIRED.
- FINAL SUBGRADE TO BE COMPRISED OF INORGANIC REWORKED NATIVE SOILS OR COMPACTED FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
- PLACE NON-WOVEN GEOTEXTILE OVER PREPARED SUBGRADE (MIRAFI 160N GEOTEXTILE OR APPROVED EQUIVALENT).

PAVEMENT CONSTRUCTION:

- PLACE AND GRADE 300 mm GRANULAR SUBBASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
- PLACE AND GRADE 300 mm GRANULAR BASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
- VALIDATE GRANULAR MATERIALS ARE WITHIN 65 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY PRIME COAT.
- PLACE 65 mm HMAAC SURFACE COURSE COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BROQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
- FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2").
- SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

- APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
- GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2") AND RESISTANT TO EROSION.
- TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC.) EXCEEDING 25 mm (1") IN DIAMETER.
- NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
- THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
- DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

- THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ONSITE.
- THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
- POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
- THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
- THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.

SITE PLAN LEGEND

--- APPROXIMATE MATCH LINE TO EXISTING GRADES

--- EXISTING FEATURE TO BE REMOVED

--- NEW PAVEMENT SURFACE - ASPHALT

--- NEW DITCH ALIGNMENT

--- PAVEMENT INTERFACE LAP JOINT

EXISTING FEATURES

--- AIRPORT PROPERTY BOUNDARY

--- GRADED SAFETY AREA

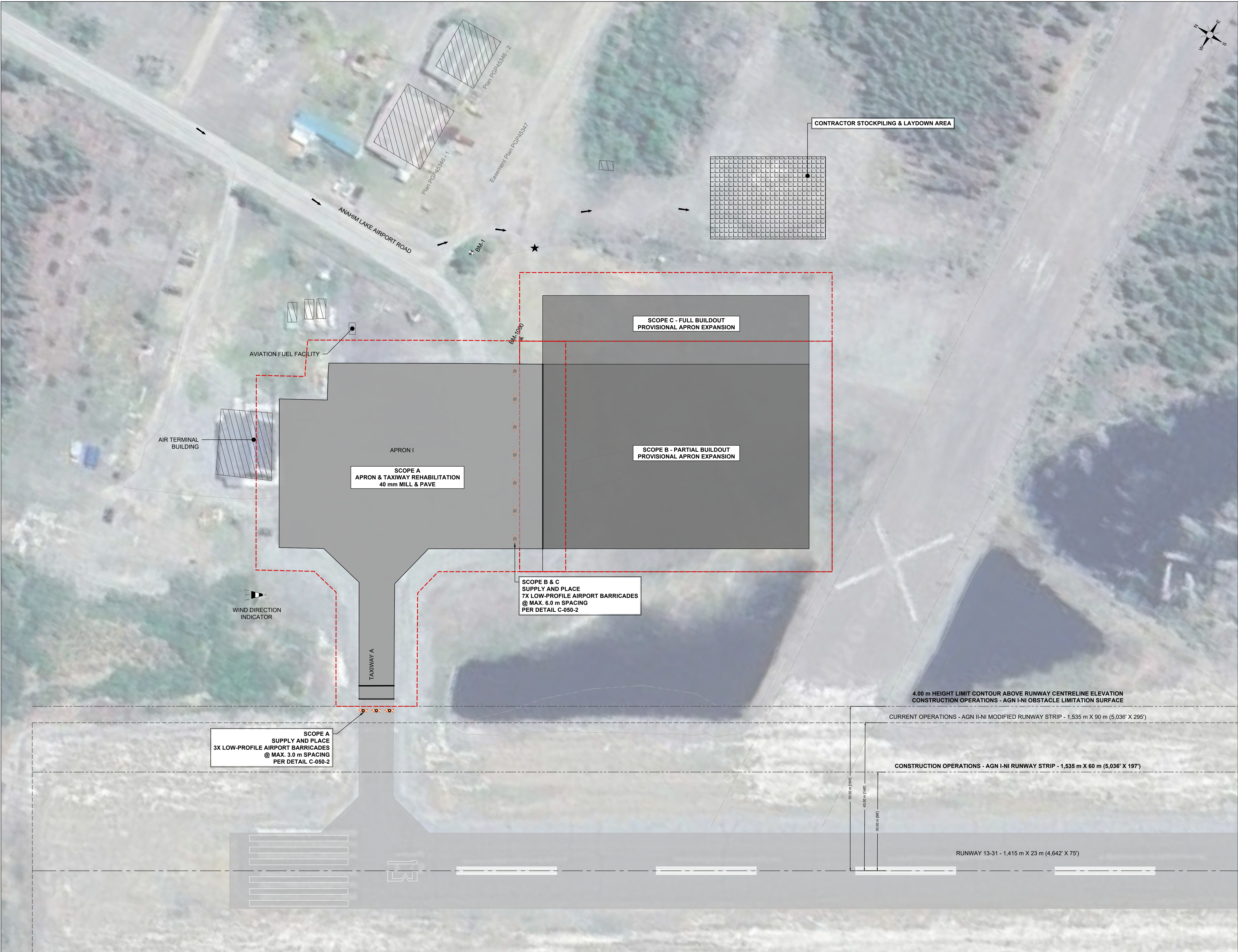
--- RUNWAY / TAXIWAY STRIP

--- EXISTING DITCH / SWALE

--- EXISTING FENCING

PROFESSIONAL SEALS

No.	DATE	DESCRIPTION	BY	APPD
REVISION / ISSUE				
PROJECT				
APRON I REHABILITATION AND EXPANSION PROJECT				
TITLE				
CIVIL SITE PLAN				
SCALE				
1:500				
Review	EDH	Project No.	25-295	
Design	DSW	Drawing No.	C-010	



NOTES

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES ARE IN NAD83 (CSRS) UTM ZONE 18N UNLESS OTHERWISE NOTED.
3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY SURVEYING INC. DATED MAY 2020.
4. GEOTECHNICAL INVESTIGATION BY SOLTECH INC. DATED JULY 2020.

GENERAL CONSTRUCTION OPERATION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A FIELD OFFICE, AND SHALL COORDINATE ELECTRICAL ACCESS AND SUPPLY WITH THE AIRPORT MANAGER.
2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUFFICIENT EQUIPMENT, OPERATORS, AND FIELD AND OFFICE STAFF ARE AVAILABLE TO COMPLETE THE WORK.
3. THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACCESS IS LIMITED TO THE LOCATIONS AS SHOWN UNLESS OTHERWISE APPROVED BY THE RESIDENT ENGINEER / AIRPORT MANAGER.
4. THE CONTRACTOR SHALL FOLLOW AIRFIELD ENTRY, EXIT, SCREENING, AND ACCESS CONTROL PROTOCOLS AT THE DESIGNATED SECURITY CHECKPOINT AS REQUIRED BY THE AIRPORT MANAGER.
5. ALL APPLICABLE MUNICIPAL AND PROVINCIAL ROAD RESTRICTIONS APPLY TO HAUL ROUTES OFF AIRPORT PROPERTY.
6. PUBLIC ROADS, HAUL ROADS, AND LOCAL ROADWAYS USED BY CONSTRUCTION EQUIPMENT SHALL BE KEPT FREE OF CONSTRUCTION MATERIALS AND DEBRIS AT ALL TIMES.
7. THE CONTRACTOR SHALL STAGE EQUIPMENT AND STOCKPILE MATERIALS WITHIN DEFINED LAYDOWN & STOCKPILE AREA. TO MAXIMUM HEIGHT 12.0 m ABOVE GROUND.
8. PAVED AIRSIDE AND GROUNDSIDE SURFACES MUST BE SWEEP ON A REGULAR BASIS AND UPON REQUEST BY THE RESIDENT ENGINEER / AIRPORT MANAGER.
9. THE CONTRACTOR IS REQUIRED TO ENSURE ALL ACTIVE AIRFIELD MANEUVERING SURFACES ARE KEPT FREE OF CONSTRUCTION MATERIALS AND DEBRIS FOR FOREIGN OBJECT DEBRIS FOR ALL WORK PHASES.
10. THE CONTRACTOR SHALL MAINTAIN AND CONTROL DUST THROUGH WATER APPLICATION AS DIRECTED BY THE RESIDENT ENGINEER / AIRPORT MANAGER.
11. CONTRACTOR SHALL YIELD TO ALL MANEUVERING AIRCRAFT AND AIRPORT EMERGENCY VEHICLES AT ALL TIMES. ALL CONTRACTOR STAFF ARE REQUIRED TO ATTEND A SAFETY BRIEFING PRIOR TO RECEIVING AUTHORIZATION TO ACCESS THE WORKSITE.
12. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE TEMPORARY BARRICADES.
13. PRIOR TO THE INSTALLATION OF ANY TEMPORARY BARRICADES OR MARKINGS, THE CONTRACTOR SHALL CLEARLY IDENTIFY THE LIMITS OF EACH PHASE IN THE FIELD WITH THE RESIDENT ENGINEER / AIRPORT MANAGER.
14. ABSOLUTELY NO SMOKING OR OPEN FLAME IS PERMITTED ON ANY PORTION OF THE AIRFIELD AT ANY TIME. THERE IS ZERO TOLERANCE FOR ANY VIOLATIONS TO THIS RULE AND ANY OPERATOR, FIELD STAFF, OR ALIKE FOUND TO BE IN VIOLATION OF THIS RULE WILL IMMEDIATELY LOSE AUTHORIZATION FOR AIRSIDE ACCESS. IF OPEN FLAMES ARE REQUIRED FOR CONSTRUCTION WORKS, THE CONTRACTOR MUST OBTAIN ADVANCED APPROVAL FROM THE RESIDENT ENGINEER / AIRPORT MANAGER.
15. FOR ACTIVE AIRFIELD SURFACES, THE CONTRACTOR SHALL ENSURE THAT NO VERTICAL EDGES, UPS OR DEBRIS EXCEEDING 50 mm (2") ARE PRESENT WITHIN THE DEFINED ACTIVE RUNWAY, TAXIWAY, OR APRON STRIPS AND GRADED SAFETY AREAS.
16. AIRPORT MANAGER AND/OR RESIDENT ENGINEER TO NOTIFY AIRPORT TENANTS OF CONSTRUCTION PROGRESS, CLOSURES, AND OPERATIONAL IMPACTS.

SCHEDULE

WORK HOURS AS PERMITTED BY CARIBOO REGIONAL DISTRICT.

AIRPORT OPERATIONAL IMPACTS

1. SCOPE A - RUNWAY 13-31, TAXIWAY A, AND APRON I CLOSED TO ALL FIXED WING OPERATIONS, WITH ROTARY WING OPERATIONS LIMITED TO ABANDONED RUNWAY.
2. SCOPE B & C - REGULAR OPERATIONS RESUMED ON RUNWAY 13-31, TAXIWAY A, AND APRON I.

LEGEND	
	WORK AREA
	CONSTRUCTION ACCESS ROUTE
	CONSTRUCTION ACCESS GATE
	LAYDOWN & STOCKPILE AREA
	LOW-PROFILE AIRPORT BARRICADE

PROFESSIONAL SEALS

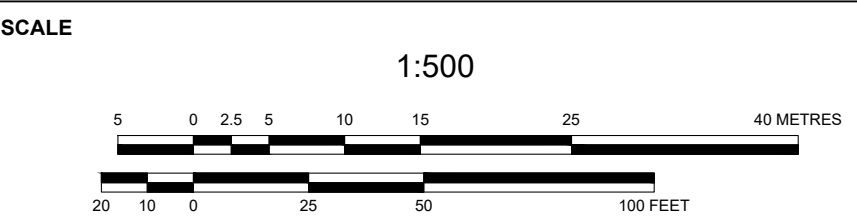


No.	DATE	DESCRIPTION	BY	APPD
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH

REVISION / ISSUE

PROJECT	
APRON I REHABILITATION AND EXPANSION PROJECT	

TITLE	
CONSTRUCTION OPERATIONS PLAN	



Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-011



NOTES

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES ARE IN NAD83 (CSRS) UTM Z10 UNLESS OTHERWISE NOTED.
3. TOPOGRAPHICAL INFORMATION BY EXTON & DODGE LAND SURVEYING INC. DATED MAY 2026
4. GEOTECHNICAL INVESTIGATION BY SOILTECH INC. DATED JULY 2026.

GENERAL CIVIL REMOVAL NOTES:

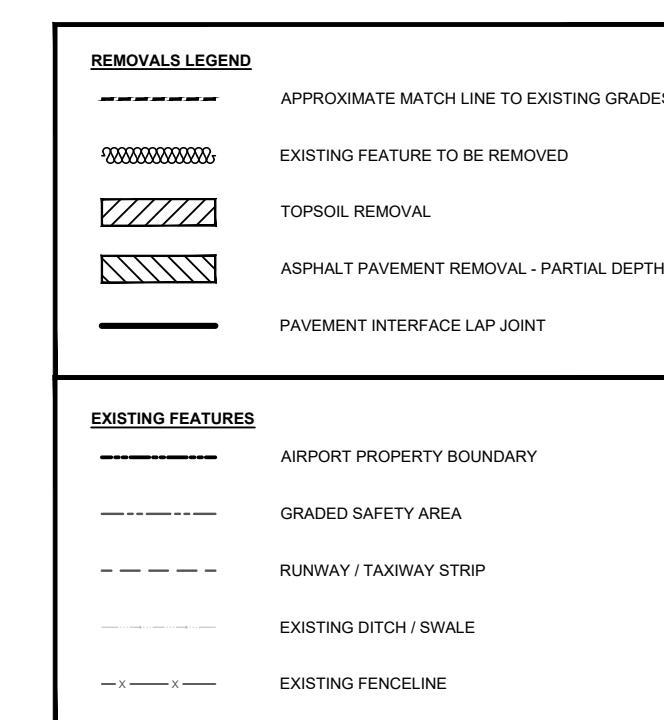
1. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXISTING UTILITIES, STRUCTURES, AND CONNECTED PIPE SIZES AND LOCATIONS PRIOR TO REMOVAL, AS REQUIRED BY RESIDENT ENGINEER / AIRPORT MANAGER.
2. ALL EXISTING AND FUTURE PAVEMENT INTERFACES TO BE SAWCUT FOR CLEAN VERTICAL FACE AND COMPLETED WITH LAP JOINT (TYP.).
3. PROTECT ALL EXISTING AIRFIELD SURFACES & INSTALLATIONS OUTSIDE WORK SCOPE.

TOPSOIL REMOVALS AND EXCAVATIONS:

1. STRIP EXISTING TOPSOIL AND STOCKPILE ON SITE FOR REUSE.
2. EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON SITE FOR REUSE.
3. REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
4. ALL EXCESS POST-BACKFILL MATERIAL TO BE STOCKPILED ONSITE.
5. EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

ASPHALT REMOVALS

1. SELECTIVE MILLING MAY BE REQUIRED TO MATCH INTO POINT OF FIXED ELEVATION. MILLING TO CONSIST OF REMOVING A SMALL WEDGE OF EXISTING ASPHALT.
2. MILLED DEPTH ON OUTER EDGE OF THE MILLING SHOULD MATCH PROPOSED 40 mm OVERLAY THICKNESS OR ADJUSTED AS NECESSARY WHERE OVERLAY THICKNESS SHALL BE MINIMUM 35 mm.



PROFESSIONAL SEALS



2	2026/07/17	ISSUED FOR TENDER	DSW	ED	
1	2026/06/26	90% DESIGN	DSW	ED	
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No.	DATE	DESCRIPTION	BY	AP	

REVISION / ISSUE

PROJECT

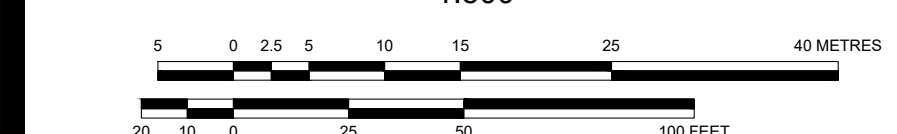
APRON I REHABILITATION
AND EXPANSION PROJECT

	TITLE
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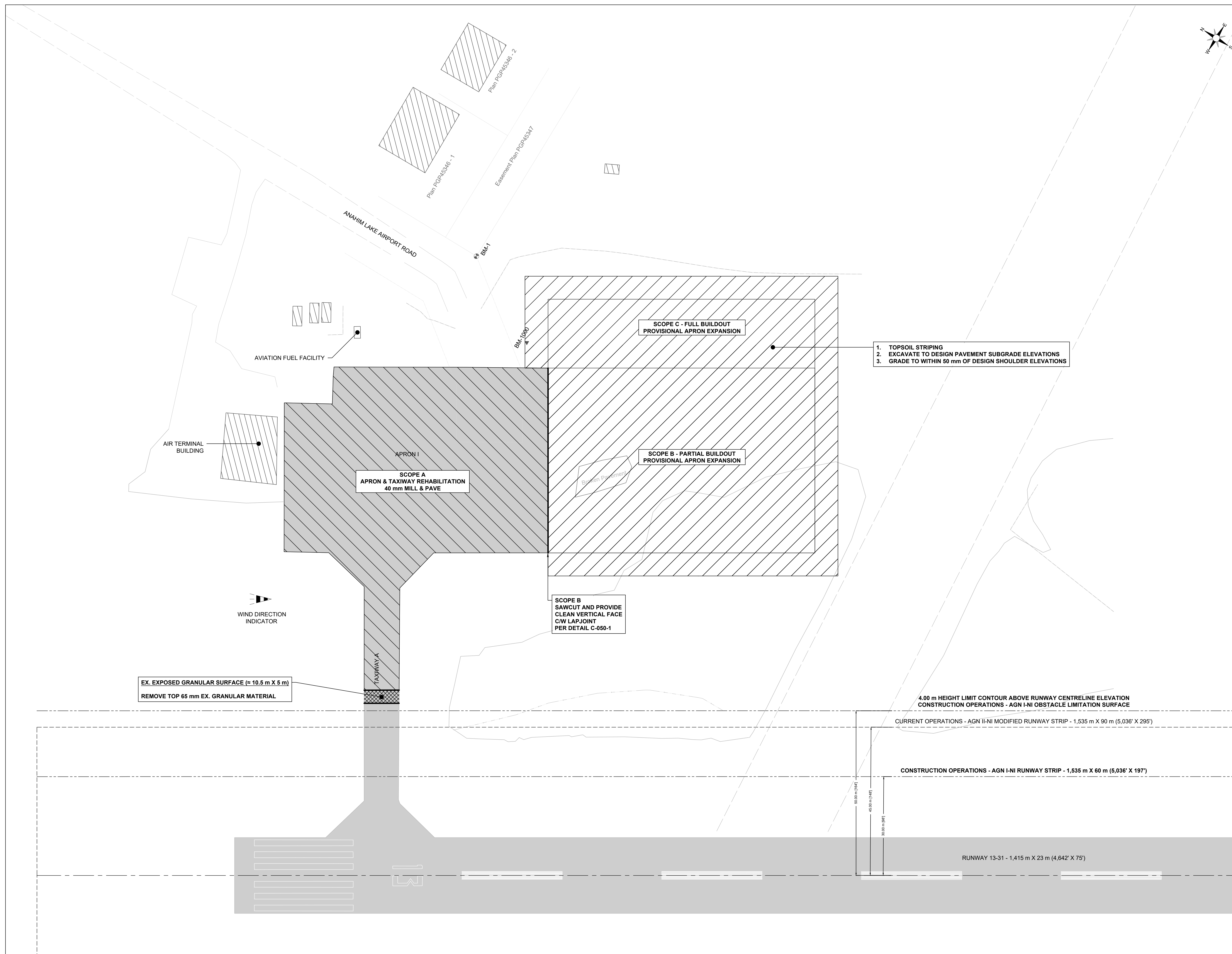
CIVIL REMOVALS PLAN

SCALE

SCALE 1:500



Review	EDH	Project No.	25-29
Design	DSW	Drawing No.	C-02



NOTES

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3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.

PAVEMENT REHABILITATION:

1. PAVEMENT MAT / LANE WIDTHS TO BE ADJUSTED AS NECESSARY TO PROVIDE MINIMUM 250 mm OFFSET / OVERLAP FROM EXISTING LONGITUDINAL CRACKS (FROM EXISTING MAT / LANE JOINTS).
2. SELECTIVE MILLING MAY BE REQUIRED TO MATCH INTO POINT OF FIXED ELEVATION. MILLING TO CONSIST OF REMOVING A SMALL WEDGE OF EXISTING ASPHALT.
3. MILLED DEPTH ON OUTER EDGE OF THE MILLING SHOULD MATCH PROPOSED 40 mm OVERLAY THICKNESS OR ADJUSTED AS NECESSARY WHERE OVERLAY THICKNESS SHALL BE MINIMUM 35 mm.

PAVEMENT CONSTRUCTION:

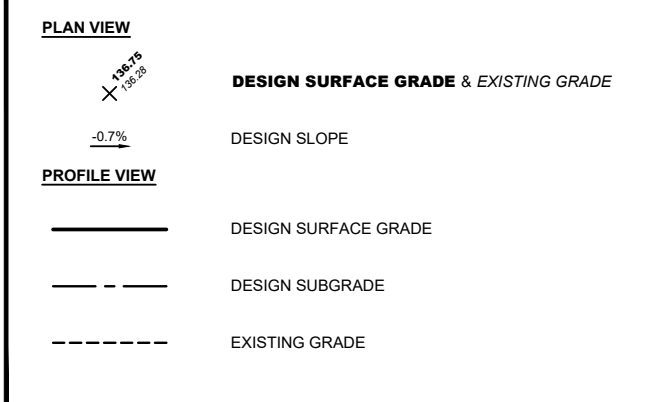
1. VALIDATE MILLED SURFACE IS WITHIN 40 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY TACK COAT.
2. PLACE 40 mm HMAC SURFACE COURSE IN ONE LIFT COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BRIQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
3. FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2").
4. SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

1. APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
2. GRADING AT PAVEMENT EDGES (DRAINAGE STRUCTURES AND ELECTRICAL FIXTURES) SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2") AND RESISTANT TO EROSION.
3. TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC) EXCEEDING 25 mm (1") IN DIAMETER.
4. NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
5. THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
6. DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

1. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ONSITE.
2. THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
3. POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
4. THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
5. THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



PROFESSIONAL SEALS



No.	DATE	DESCRIPTION	BY	APPD
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH

REVISION / ISSUE

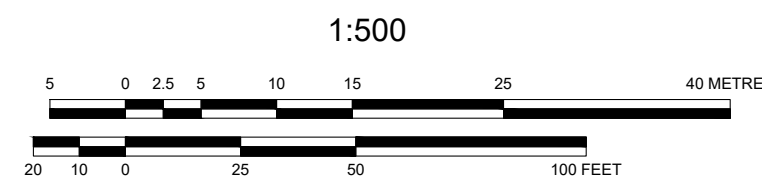
PROJECT

APRON I REHABILITATION
AND EXPANSION PROJECT

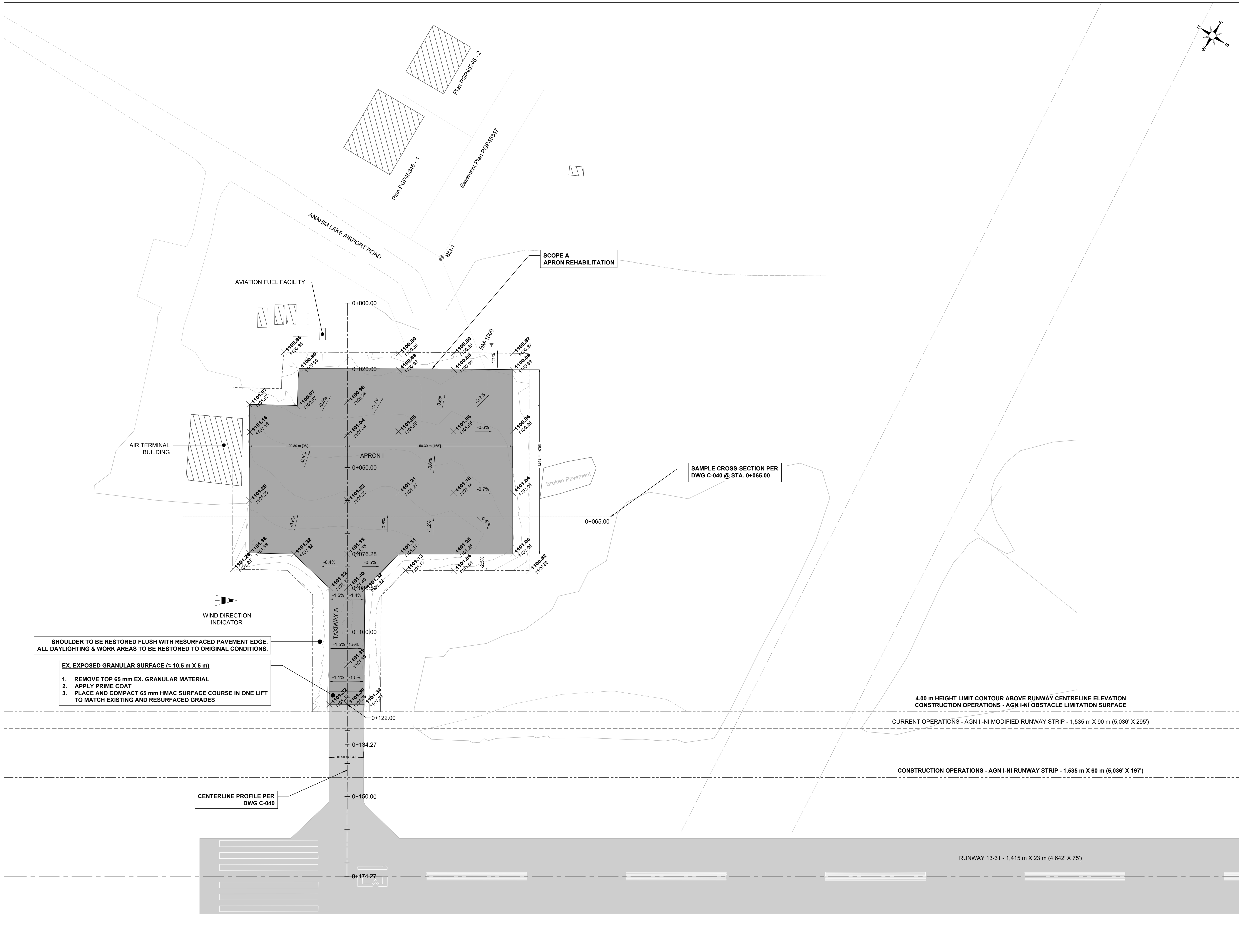
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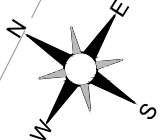
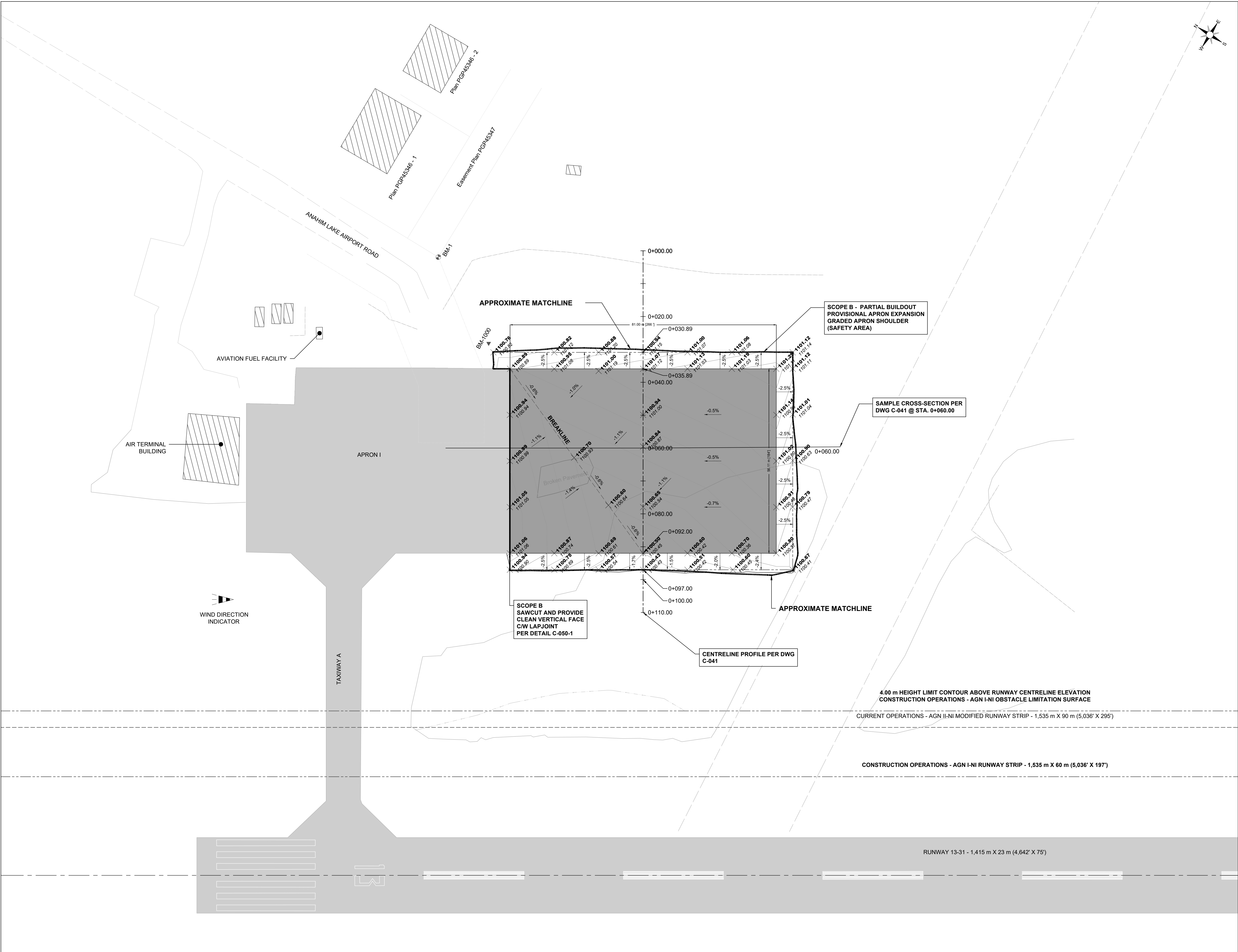
**SURFACE GRADING PLAN
APRON REHABILITATION**

SCALE



Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-030





NOTES

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3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.

SUBGRADE PREPARATION:

1. STRIP EXISTING TOPSOIL AND STOCKPILE ON-SITE FOR REUSE.
2. EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON-SITE FOR REUSE.
3. REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
4. ALL EXCESS MATERIAL TO BE BACKFILLED ON-SITE AS DIRECTED BY AIRPORT MANAGER.
5. EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
6. RAISE GRADES AS REQUIRED IN MAXIMUM 200 mm LIFTS FOR FINE-GRAINED SOIL AND 300 mm FOR GRANULAR SOIL.
7. COMPACT INITIAL LAYERS TO 95% MPO WITH FINAL 300 mm DEPTH TO BE COMPACTED TO MINIMUM 98% MPO. BRING TO NEAR OPTIMAL MOISTURE CONTENT FOR COMPACTION WHEN REQUIRED.
8. FINAL SUBGRADE TO BE COMPRISED OF INORGANIC REWORKED NATIVE SOILS OR COMPACTED FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
9. PLACE NON-WOVEN GEOTEXTILE OVER PREPARED SUBGRADE (MIRAFI 160N GEOTEXTILE OR APPROVED EQUIVALENT).

PAVEMENT CONSTRUCTION:

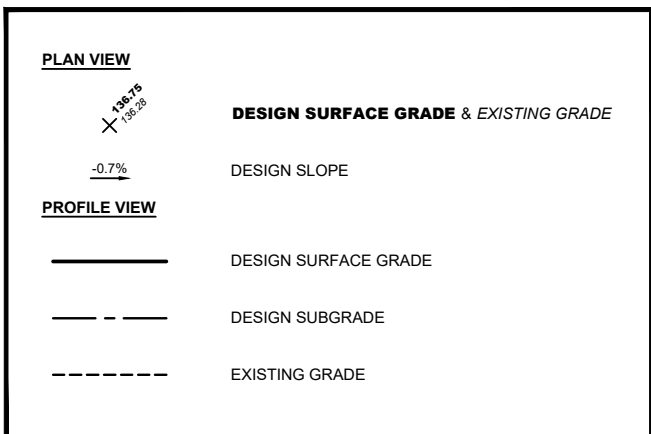
1. PLACE AND GRADE 300 mm GRANULAR SUBBASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
2. PLACE AND GRADE 300 mm GRANULAR BASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
3. VALIDATE GRANULAR MATERIALS ARE WITHIN 65 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY PRIME COAT.
4. PLACE 65 mm HMAc SURFACE COURSE COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BROQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
5. FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2").
6. SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

1. APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
2. GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2") AND RESISTANT TO EROSION.
3. TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC.) EXCEEDING 25 mm (1") IN DIAMETER.
4. NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
5. THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
6. DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

1. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ON-SITE.
2. THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
3. POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
4. THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
5. THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



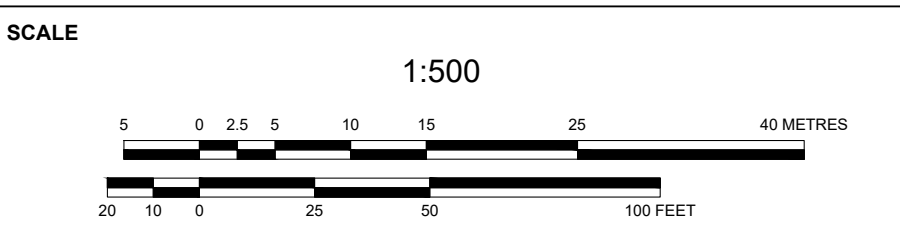
PROFESSIONAL SEALS



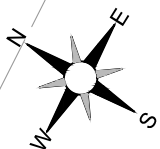
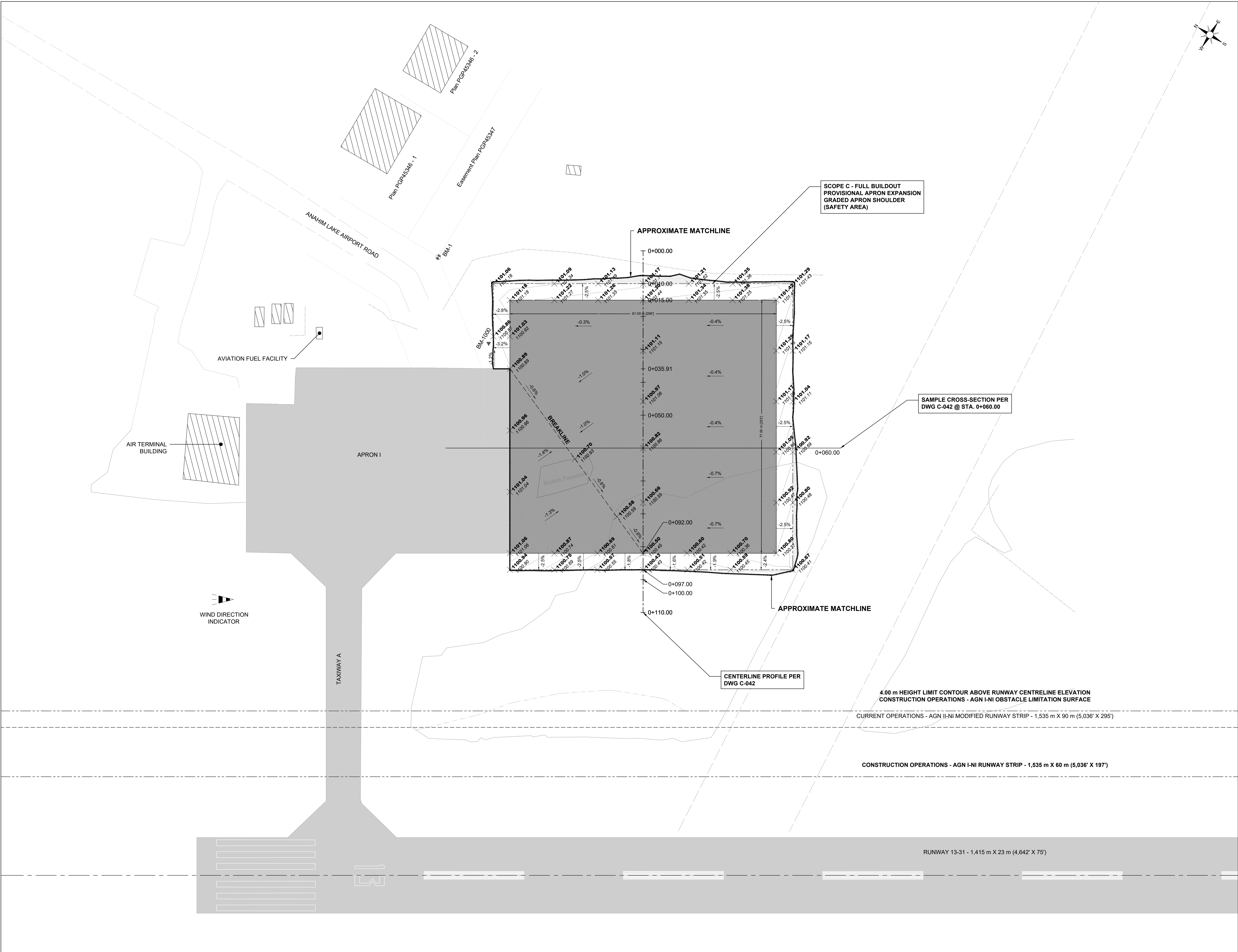
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REVISION / ISSUE
PROJECT
APRON I REHABILITATION AND EXPANSION PROJECT

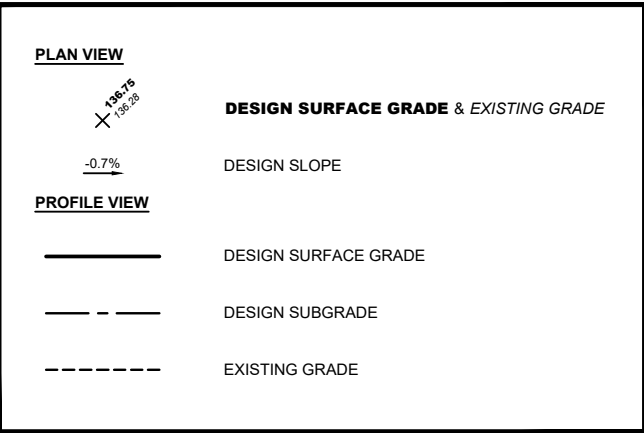
TITLE
SURFACE GRADING PLAN PARTIAL APRON EXPANSION



Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-031



- NOTES**
- ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
 - ALL COORDINATES ARE IN NAD83 (CSRS) UTM 21U UNLESS OTHERWISE NOTED.
 - TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
 - GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.
- SUBGRADE PREPARATION:**
- STRIP EXISTING TOPSOIL AND STOCKPILE ONSITE FOR REUSE.
 - EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON SITE FOR REUSE.
 - REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
 - ALL EXCESS MATERIAL TO BE BACKFILLED ONSITE AS DIRECTED BY AIRPORT MANAGER.
 - EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 - RASE GRADES AS REQUIRED IN MAXIMUM 200 mm LIFTS FOR FINE-GRAINED SOIL AND 300 mm FOR GRANULAR SOIL.
 - COMPACT INITIAL LAYERS TO 95% MPD WITH FINAL 300 mm DEPTH TO BE COMPACTED TO MINIMUM 98% MPD. BRING TO NEAR OPTIMAL MOISTURE CONTENT FOR COMPACTION WHEN REQUIRED.
 - FINAL SUBGRADE TO BE COMPRISED OF INORGANIC REWORKED NATIVE SOILS OR COMPACTED FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
 - PLACE NON-WOVEN GEOTEXTILE OVER PREPARED SUBGRADE (MIRAFI 160N GEOTEXTILE OR APPROVED EQUIVALENT).
- PAVEMENT CONSTRUCTION:**
- PLACE AND GRADE 300 mm GRANULAR SUBBASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPD.
 - PLACE AND GRADE 300 mm GRANULAR BASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPD.
 - VALIDATE GRANULAR MATERIALS ARE WITHIN 65 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY PRIME COAT.
 - PLACE 65 mm HMAAC SURFACE COURSE COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BROQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
 - FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2").
 - SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.
- OFF-PAVEMENT GRADING TOLERANCES:**
- APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
 - GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2") AND RESISTANT TO EROSION.
 - TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC.) EXCEEDING 25 mm (1") IN DIAMETER.
 - NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
 - THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
 - DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).
- SITE CLEANING:**
- THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ONSITE.
 - THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
 - POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
 - THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
 - THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



PROFESSIONAL SEALS				
PROFESSIONAL SEAL 2026-07-17				
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH
No.	DATE	DESCRIPTION	BY	APPD
REVISION / ISSUE				
PROJECT				
APRON I REHABILITATION AND EXPANSION PROJECT				
TITLE				
SURFACE GRADING PLAN FULL APRON EXPANSION				
SCALE				
1:500 5 0 2.5 5 10 15 25 40 METRES 20 10 0 25 50 100 FEET				
Review	EDH	Project No.	25-295	
Design	DSW	Drawing No.	C-032	



NOTES

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES ARE IN NAD83 (CSRS) UTM Z10 UNLESS OTHERWISE NOTED.
3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.

PAVEMENT REHABILITATION:

1. PAVEMENT MAT / LANE WIDTHS TO BE ADJUSTED AS NECESSARY TO PROVIDE MINIMUM 250 mm OFFSET / OVERLAP FROM EXISTING LONGITUDINAL CRACKS (FROM EXISTING MAT / LANE JOINTS).
2. SELECTIVE MILLING MAY BE REQUIRED TO MATCH INTO POINT OF FIXED ELEVATION. MILLING TO CONSIST OF REMOVING A SMALL WEDGE OF EXISTING ASPHALT.
3. MILLED DEPTH ON OUTER EDGE OF THE MILLING SHOULD MATCH PROPOSED 40 mm OVERLAY THICKNESS OR ADJUSTED AS NECESSARY WHERE OVERLAY THICKNESS SHALL BE MINIMUM 35 mm.

PAVEMENT CONSTRUCTION:

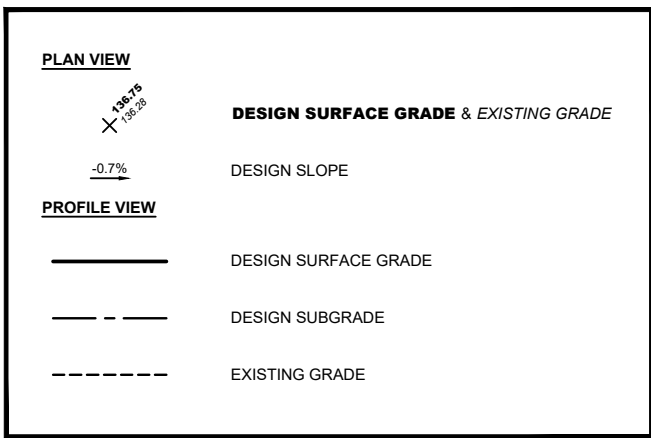
1. VALIDATE MILLED SURFACE IS WITHIN 40 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY TACK COAT.
2. PLACE 40 mm IMAC SURFACE COURSE IN ONE LIFT COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BRIQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
3. FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2").
6. SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

1. APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
2. GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 50 mm (2") AND RESISTANT TO EROSION.
3. TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC) EXCEEDING 25 mm (1") IN DIAMETER.
4. NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
5. THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
6. DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

1. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ON-SITE.
2. THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
3. POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
4. THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
5. THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



PROFESSIONAL SEALS

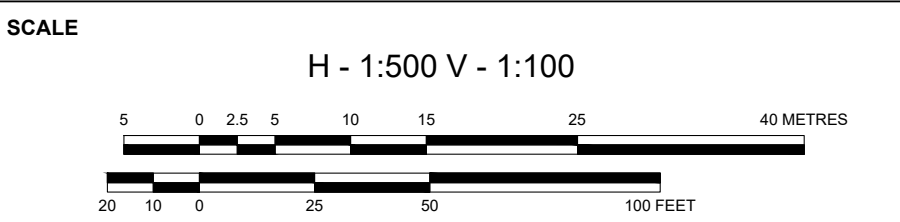


2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH
No.	DATE	DESCRIPTION	BY	APPD

REVISION / ISSUE

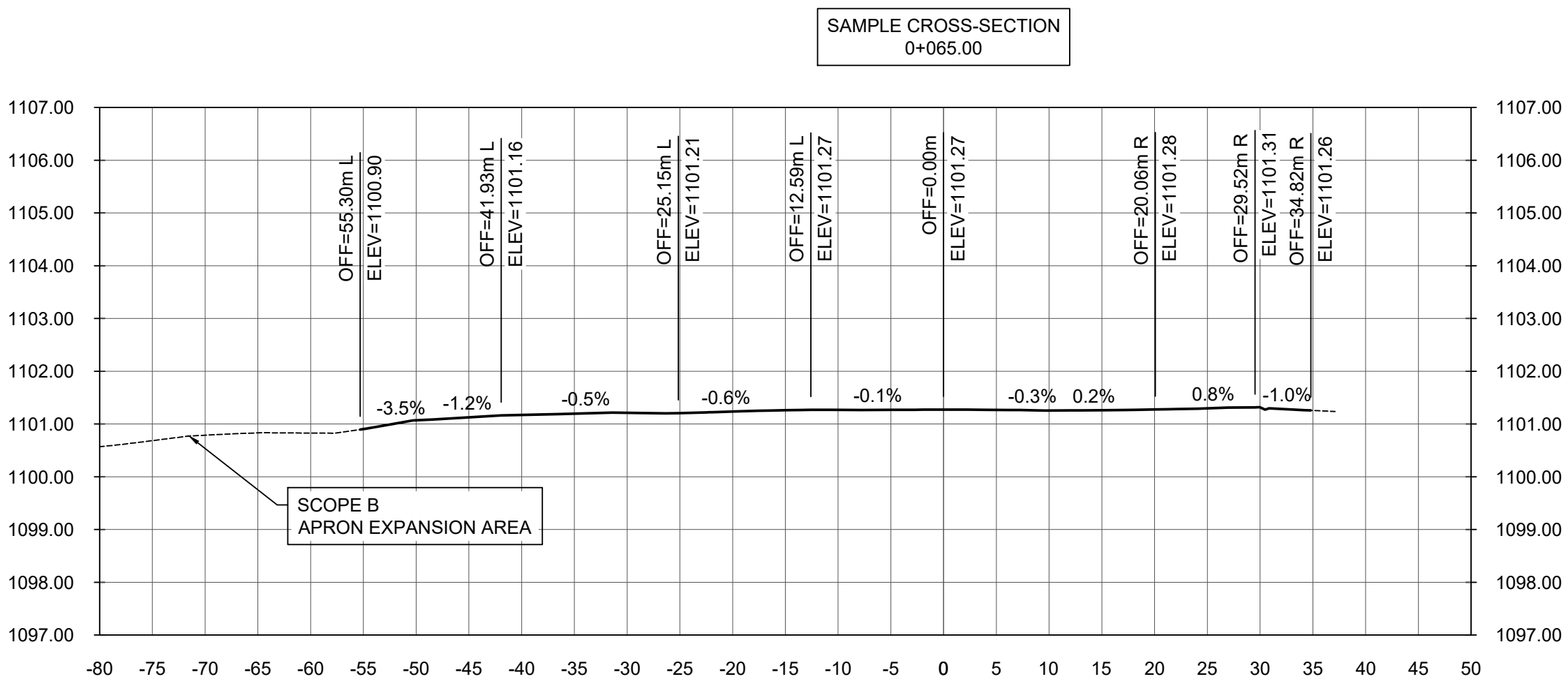
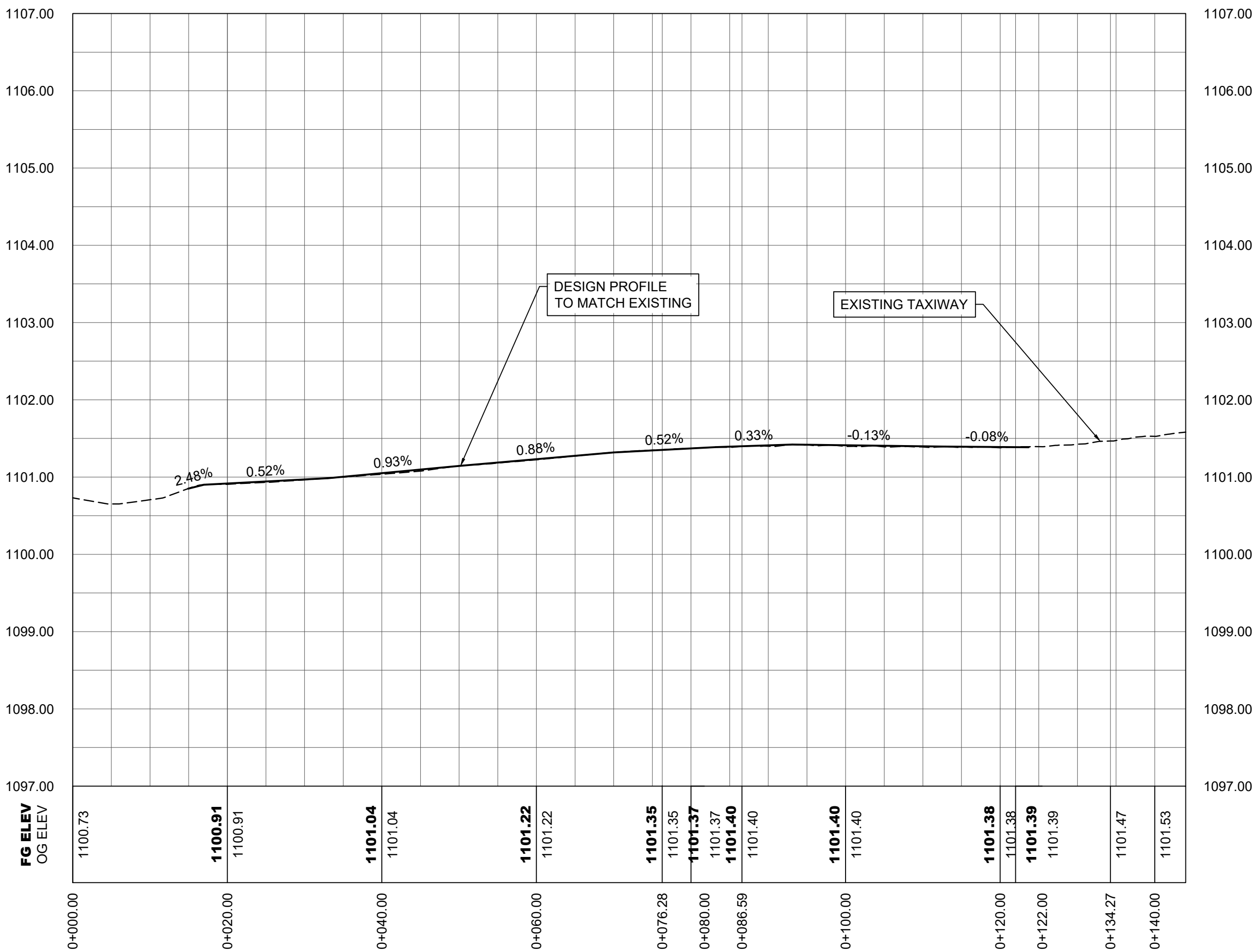
PROJECT
APRON I REHABILITATION AND EXPANSION PROJECT

TITLE
PROFILES AND CROSS-SECTIONS APRON REHABILITATION



Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-040

SCOPE A - APRON REHABILITATION PROFILE



NOTES

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES ARE IN NAD83 (CSRS) UTM 21U UNLESS OTHERWISE NOTED.
3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLITECH INC. DATED JULY 2026.

SUBGRADE PREPARATION:

1. STRIP EXISTING TOPSOIL AND STOCKPILE ONSITE FOR REUSE.
2. EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON SITE FOR REUSE.
3. REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
4. ALL EXCESS MATERIAL TO BE BACKFILLED ONSITE AS DIRECTED BY AIRPORT MANAGER.
5. EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
6. RAISE GRADES AS REQUIRED IN MAXIMUM 200 mm LIFTS FOR FINE-GRAINED SOIL AND 300 mm FOR GRANULAR SOIL.
7. COMPACT INITIAL LAYERS TO 95% MFD WITH FINAL 300 mm DEPTH TO BE COMPACTED TO MINIMUM 98% MFD. BRING TO NEAR OPTIMAL MOISTURE CONTENT FOR COMPACTION WHEN REQUIRED.
8. FINAL SUBGRADE TO BE COMPRISED OF INORGANIC REWORKED NATIVE SOILS OR COMPACTED FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
9. PLACE NON-WOVEN GEOTEXTILE OVER PREPARED SUBGRADE (MIRAFI 160N GEOTEXTILE OR APPROVED EQUIVALENT).

PAVEMENT CONSTRUCTION:

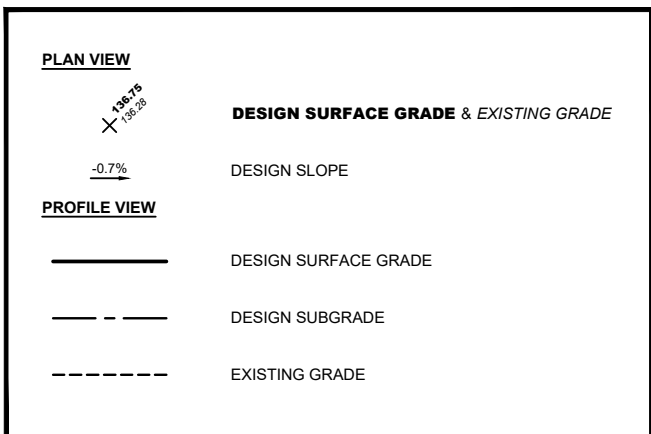
1. PLACE AND GRADE 300 mm GRANULAR SUBBASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MFD.
2. PLACE AND GRADE 300 mm GRANULAR BASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MFD.
3. VALIDATE GRANULAR MATERIALS ARE WITHIN 65 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY PRIME COAT.
4. PLACE 65 mm HMAc SURFACE COURSE COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BROQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
5. FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 25 mm (1") IN DIAMETER.
6. SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

1. APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
2. GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 10 mm (2") AND RESISTANT TO EROSION.
3. TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC.) EXCEEDING 25 mm (1") IN DIAMETER.
4. NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
5. THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
6. DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

1. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ONSITE.
2. THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
3. POWERED ROTARY PAVEMENT SURFACE SWEEPING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
4. THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
5. THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



PROFESSIONAL SEALS



No.	DATE	DESCRIPTION	BY	APPD
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH

REVISION / ISSUE

PROJECT

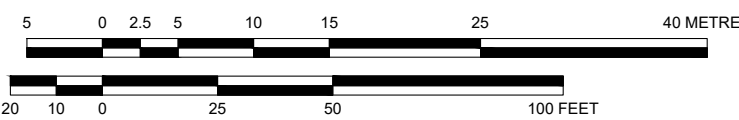
APRON I REHABILITATION
AND EXPANSION PROJECT

TITLE

PROFILES AND CROSS-SECTIONS
PARTIAL EXPANSION

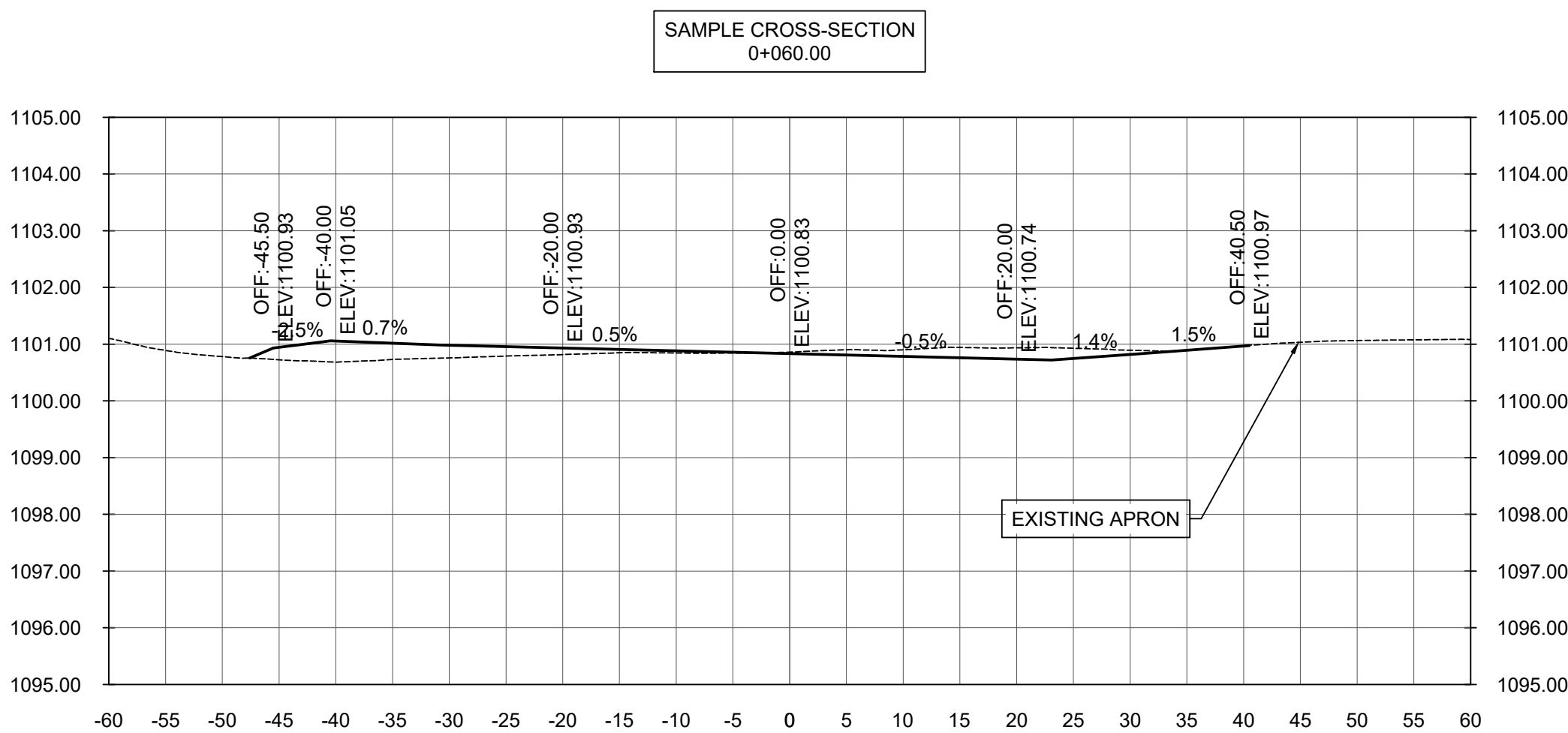
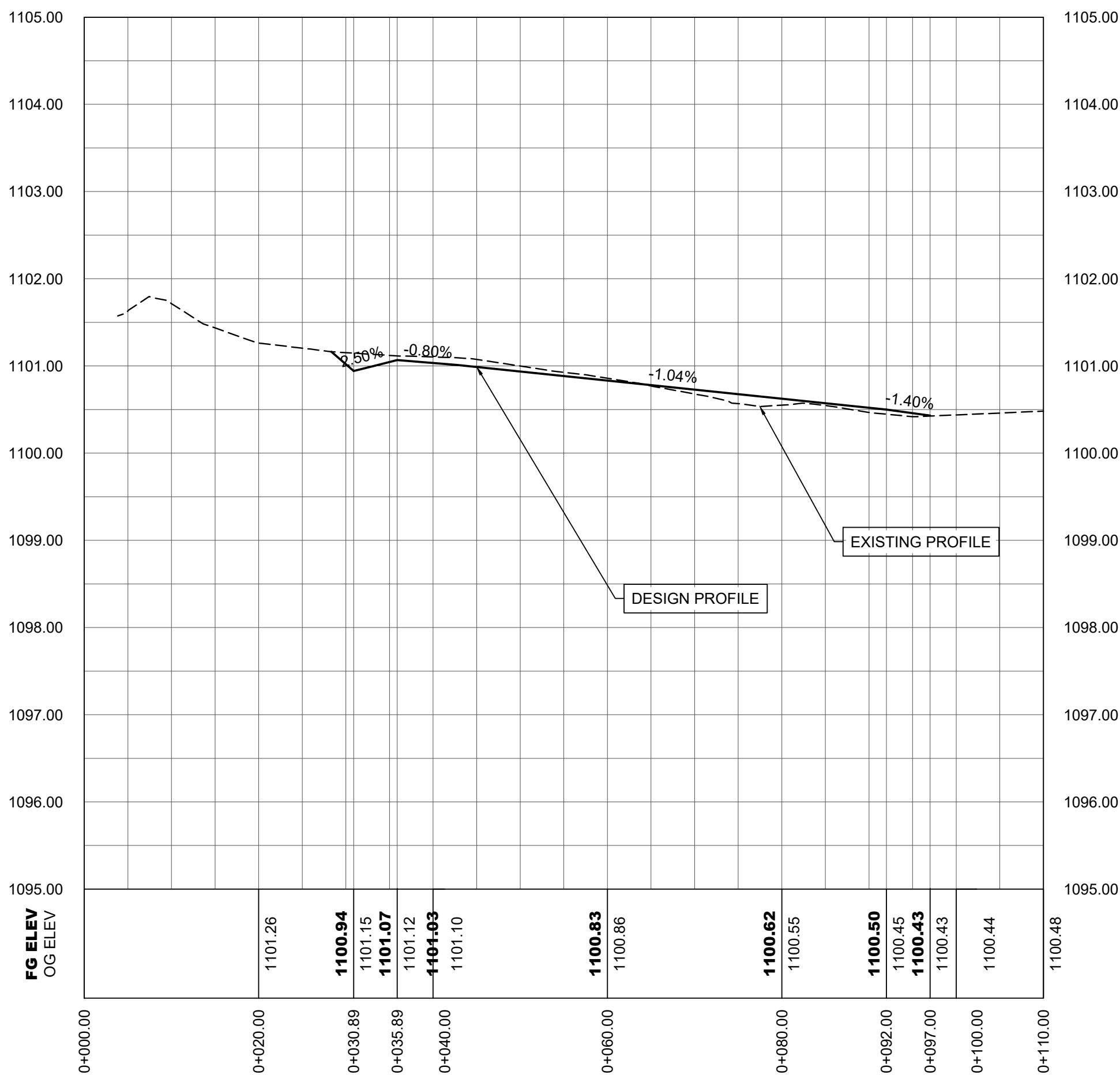
SCALE

H - 1:500 V - 1:100



Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-041

SCOPE B - PARTIAL APRON EXPANSION PROFILE



NOTES

1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES ARE IN NAD83 (CSRS) UTM Z10 UNLESS OTHERWISE NOTED.
3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLTECH INC. DATED JULY 2026.

SUBGRADE PREPARATION:

1. STRIP EXISTING TOPSOIL AND STOCKPILE ONSITE FOR REUSE.
2. EXCAVATE TO PREPARE DESIGN SUBGRADE ELEVATIONS AND STOCKPILE ON SITE FOR REUSE.
3. REMOVE ALL DELETERIOUS MATERIAL (I.E. ORGANIC & OTHER LOOSE/SOFT MATERIALS) AS REQUIRED BY GEOTECHNICAL ENGINEER.
4. ALL EXCESS MATERIAL TO BE BACKFILLED ONSITE AS DIRECTED BY AIRPORT MANAGER.
5. EXCAVATE MINIMUM 1.3 m BELOW GRADE IN LOCALIZED AREAS OF HIGHLY FROST-SUSCEPTIBLE SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
6. RAISE GRADES AS REQUIRED IN MAXIMUM 200 mm LIFTS FOR FINE-GRAINED SOIL AND 300 mm FOR GRANULAR SOIL.
7. COMPACT INITIAL LAYERS TO 95% MPO WITH FINAL 300 mm DEPTH TO BE COMPACTED TO MINIMUM 98% MPO. BRING TO NEAR OPTIMAL MOISTURE CONTENT FOR COMPACTION WHEN REQUIRED.
8. FINAL SUBGRADE TO BE COMPRISED OF INORGANIC REWORKED NATIVE SOILS OR COMPACTED FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER.
9. PLACE NON-WOVEN GEOTEXTILE OVER PREPARED SUBGRADE (MIRAFI 160N GEOTEXTILE OR APPROVED EQUIVALENT).

PAVEMENT CONSTRUCTION:

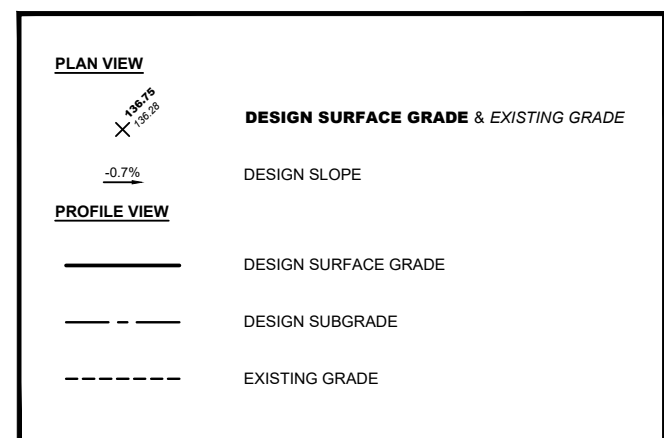
1. PLACE AND GRADE 300 mm GRANULAR SUBBASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
2. PLACE AND GRADE 300 mm GRANULAR BASE COURSE IN MAXIMUM 300 mm LIFTS AND COMPACT TO MINIMUM 98% MPO.
3. VALIDATE GRANULAR MATERIALS ARE WITHIN 65 mm OF FINISHED ASPHALT DESIGN ELEVATIONS AND APPLY PRIME COAT.
4. PLACE 65 mm HMAc SURFACE COURSE COMPACTED TO MINIMUM AVERAGE OF 98% IN-SITU DENSITY PER 75 BLOW MARSHALL BROQUETTE DENSITY FOR THE MIX, WITH NO SINGLE MEASURED LOCATION LESS THAN 95%.
5. FINISHED PAVEMENT SURFACES SHALL BE FLUSH WITH ADJOINING PAVEMENT SURFACES AND EDGES, WITH NO VERTICAL EDGES OR LIPS EXCEEDING 25 mm (1") IN DIAMETER.
6. SURFACE CRACKING ON FINISHED PAVEMENT SURFACE SHALL BE RECTIFIED AS APPROVED BY THE GEOTECHNICAL ENGINEER.

OFF-PAVEMENT GRADING TOLERANCES:

1. APRON & TAXIWAY GRADED SAFETY AREA TRANSVERSE SLOPE TARGET 2.50% MAX 5.00%.
2. GRADING AT PAVEMENT EDGES, DRAINAGE STRUCTURES, AND ELECTRICAL FIXTURES SHALL BE FLUSH WITH NO VERTICAL EDGES OR LIPS EXCEEDING 10 mm (1/2") AND RESISTANT TO EROSION.
3. TOP 50 mm SURFACE OF GRADED AREAS SHALL BE FREE OF DELETERIOUS MATERIAL (I.E. ROCKS, STONES, BRANCHES, ROOTS, ETC.) EXCEEDING 25 mm (1") IN DIAMETER.
4. NO STANDING WATER PERMITTED IN ALL GRADED AREAS.
5. THE RE-USE AND GRADING OF EXCAVATED MATERIALS IS EXPECTED, PROVIDED THE ABOVE-SPECIFIED SURFACE REQUIREMENTS ARE ACHIEVED.
6. DAYLIGHTING SLOPE TO APPROX. MATCHLINE OUTSIDE GRADED AREAS 25.0% (4:1).

SITE CLEANING:

1. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT LABOURERS FOR CLEANING ONSITE.
2. THE CONTRACTOR SHALL ENSURE ALL PAVEMENT SURFACES ARE CLEAR OF DEBRIS.
3. POWERED ROTARY PAVEMENT SURFACE POWERING WILL BE COMPLETED BY OWNER. EXCESSIVE CLEANING REQUIRED BY OWNER MAY RESULT IN CONTRACT CREDITS.
4. THE CONTRACTOR SHALL ENSURE ALL OFF-PAVEMENT GRADED SURFACES ARE FREE OF LOOSE DEBRIS, AND ANY MATERIAL EXCEEDING 25 mm (1") IN DIAMETER.
5. THE CONTRACTOR SHALL COMPLETE OFF-PAVEMENT GRADED SURFACE CLEANING REGULARLY, IMMEDIATELY PRIOR TO DEMOBILIZATION, AND AS REQUIRED BY THE RESIDENT ENGINEER.



PROFESSIONAL SEALS



No.	DATE	DESCRIPTION	BY	APPD
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH

REVISION / ISSUE

PROJECT

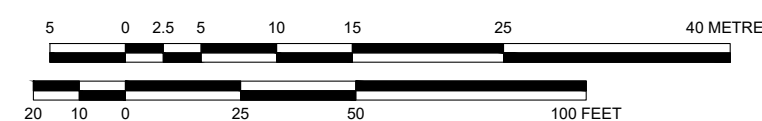
APRON I REHABILITATION
AND EXPANSION PROJECT

TITLE

PROFILES AND CROSS-SECTIONS
FULL EXPANSION

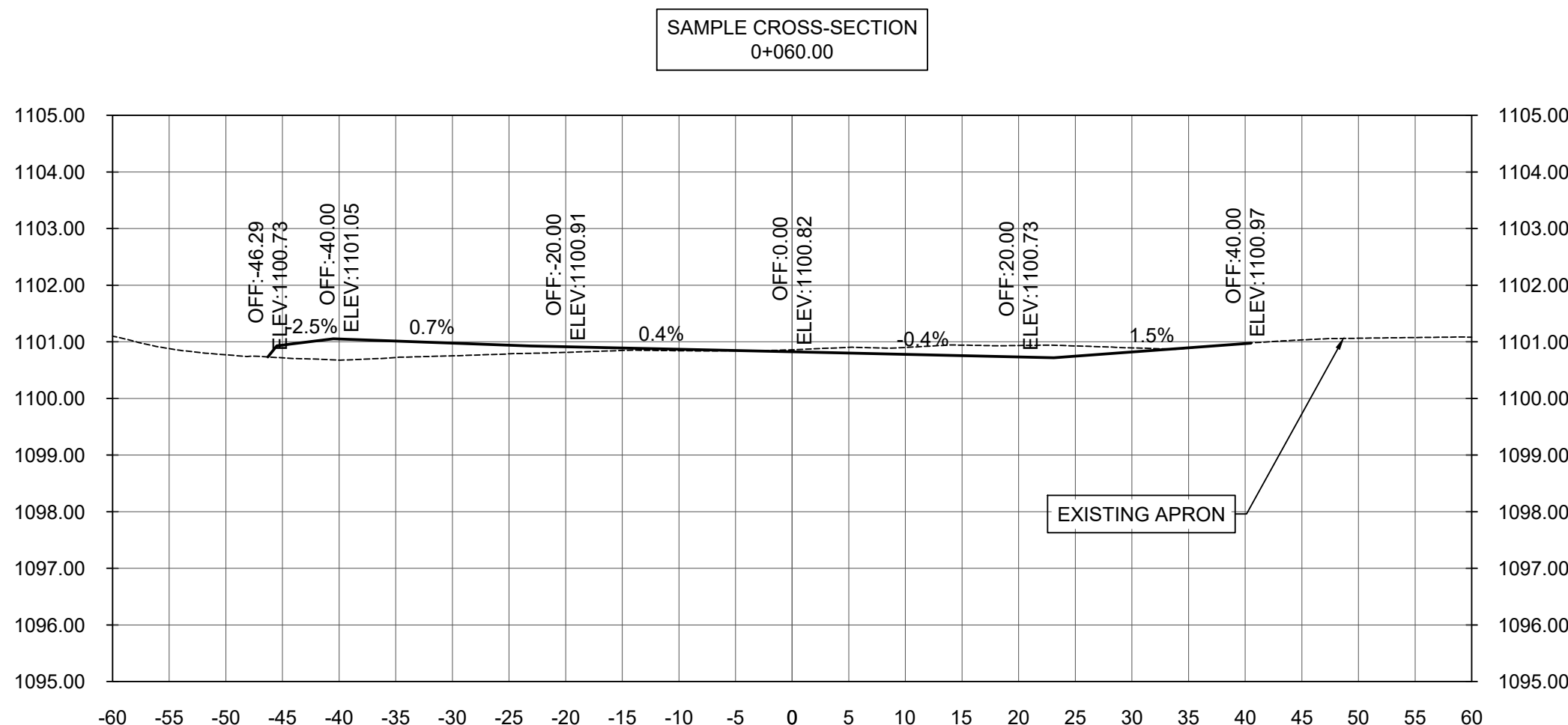
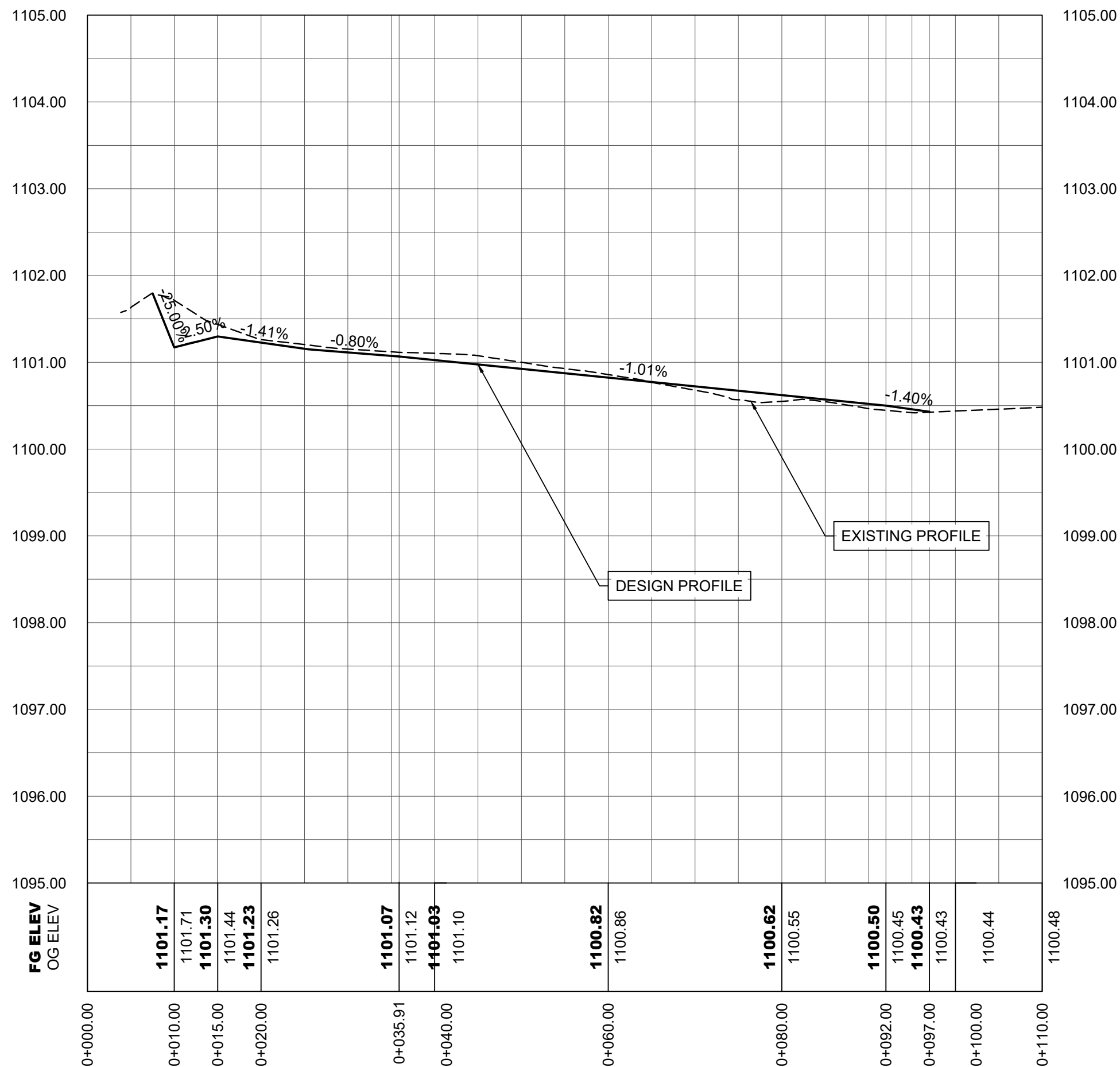
SCALE

H - 1:500 V - 1:100



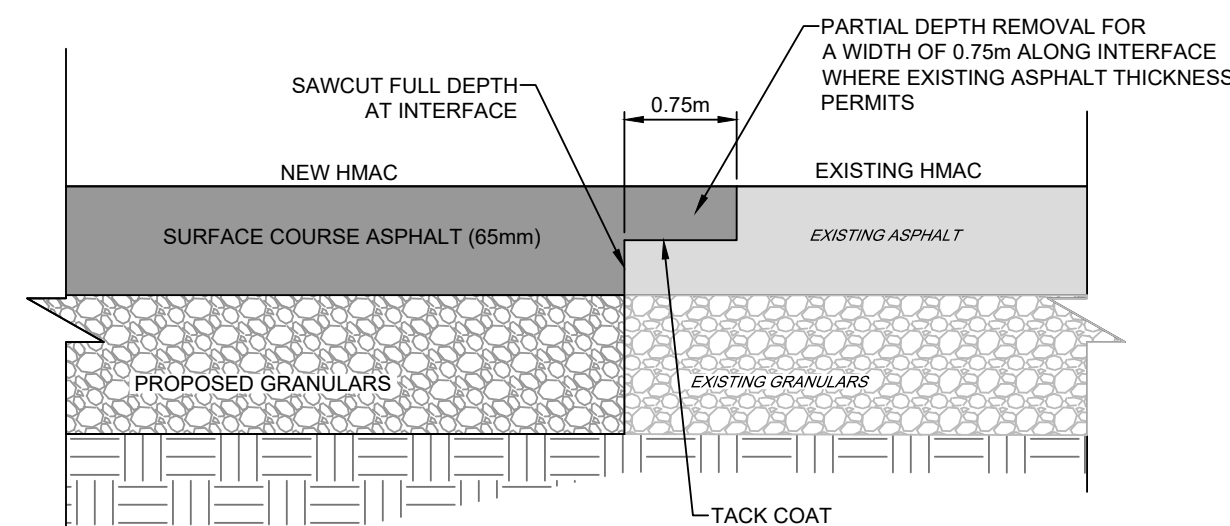
Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-042

SCOPE C - FULL APRON EXPANSION PROFILE

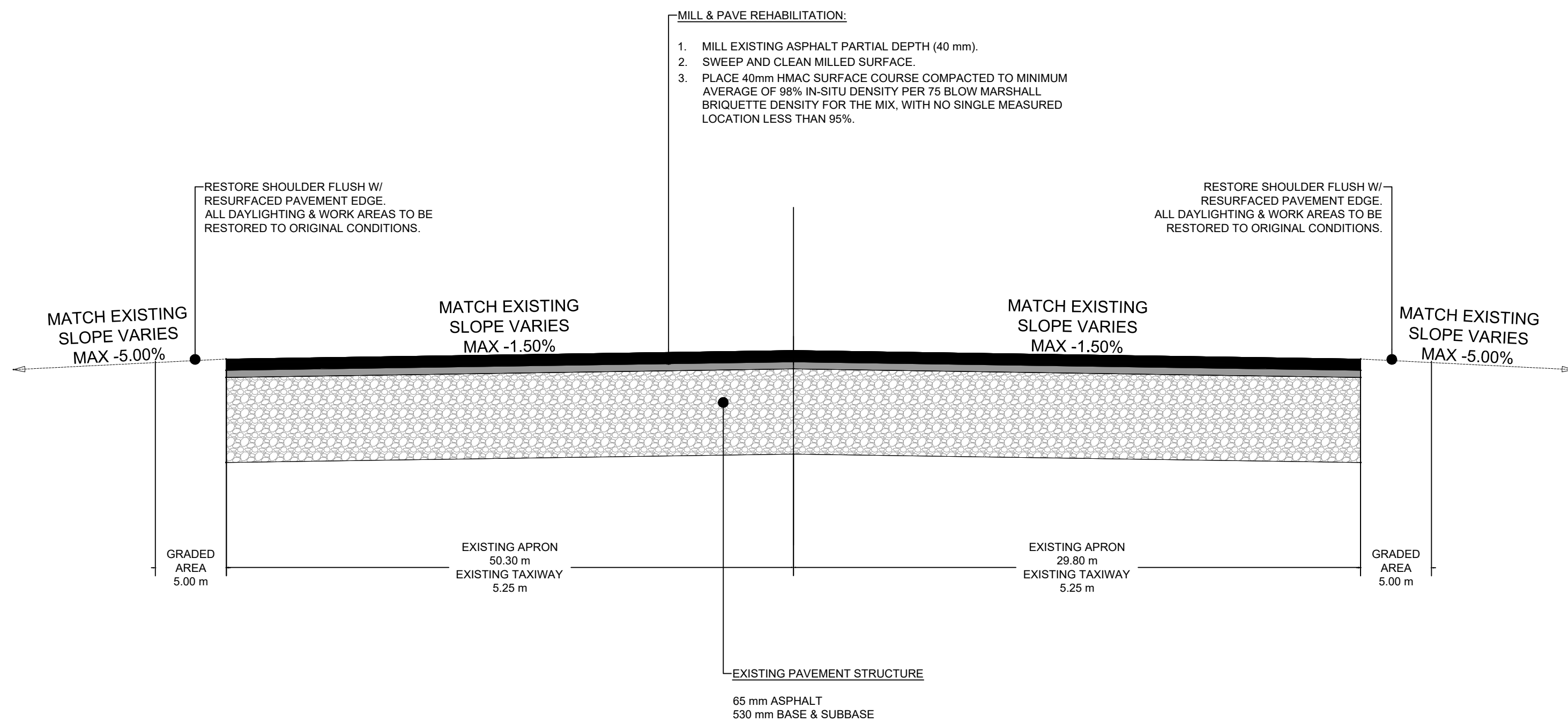


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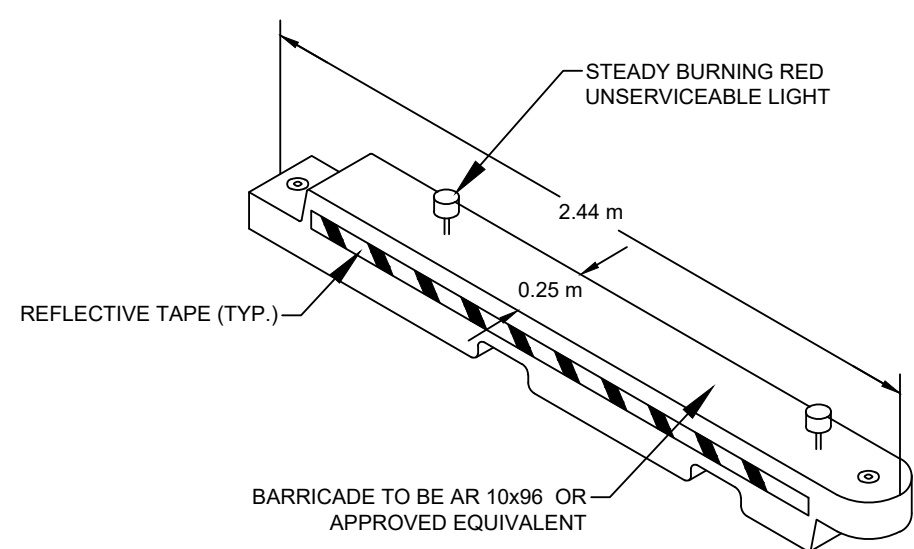
1. ALL UNITS ARE IN METRES UNLESS OTHERWISE NOTED.
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3. TOPOGRAPHICAL INFORMATION BY EXTON & DOOLEY AND SURVEYING INC. DATED MAY 2026.
4. GEOTECHNICAL INVESTIGATION BY SOLTECH INC. DATED JULY 2026.



1
C050
NTS
DETAIL - NEW / EXISTING ASPHALT INTERFACE LAP JOINT



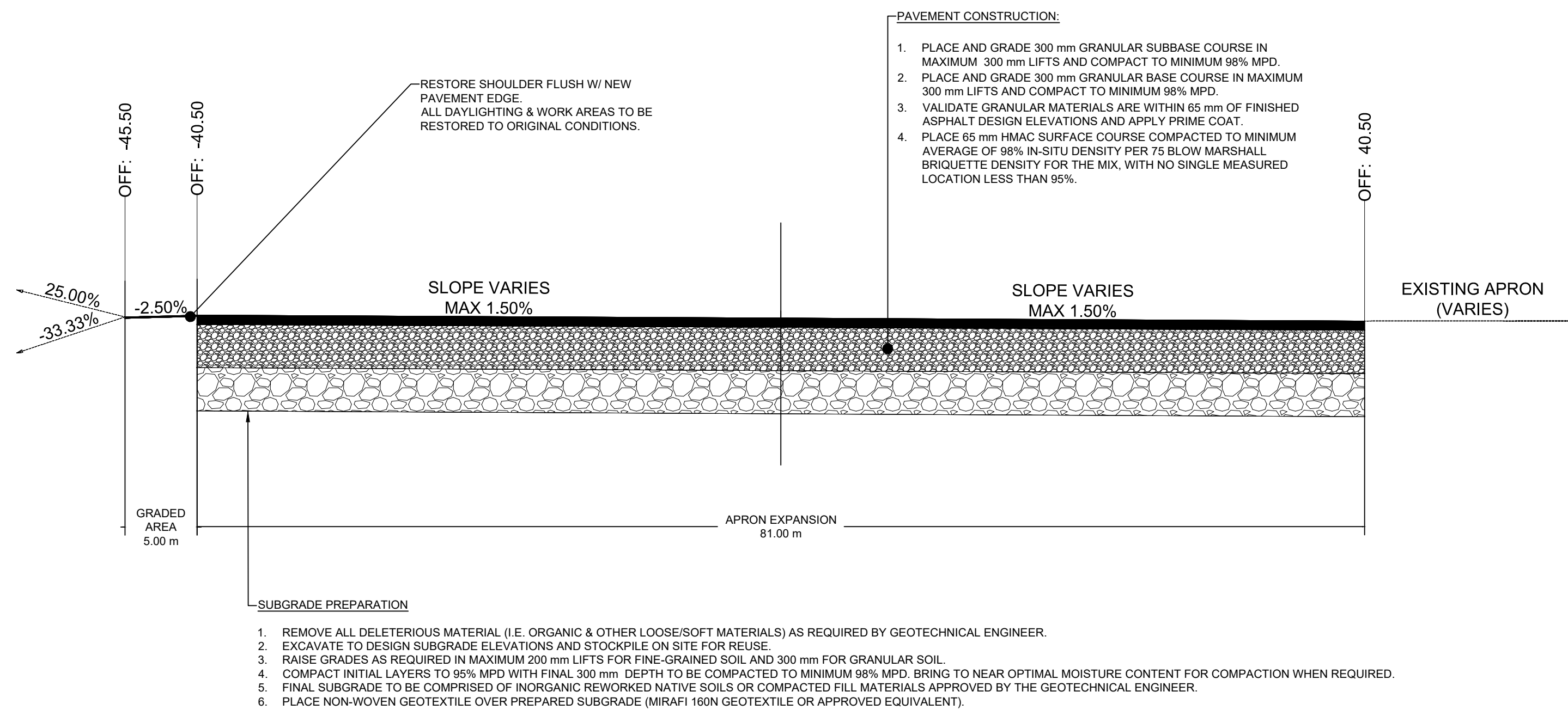
3
C050
NTS
DETAIL - TYPICAL APRON & TAXIWAY REHABILITATION



NOTES:

1. BARRICADES SHALL BE MULTI-BARRIER SAFETY BARRICADES (MODEL AR-10X96 - OR APPROVED EQUIVALENT).
2. MAX SPACING BETWEEN BARRICADES: 3.0M FOR RUNWAYS AND TAXIWAYS, 6.0M FOR APRONS
3. BARRICADES SHALL BE BALLASTED WITH WATER TO WITHSTAND HIGH WINDS OR JET BLAST
4. CONTRACTOR SHALL INSPECT BARRICADES REGULARLY

2
C050
NTS
DETAIL - LOW-PROFILE AIRPORT SAFETY BARRIER



4
C050
NTS
DETAIL - TYPICAL APRON EXPANSION

PROFESSIONAL SEALS



No.	DATE	DESCRIPTION	BY	APPD
2	2026/07/17	ISSUED FOR TENDER	DSW	EDH
1	2026/06/26	90% DESIGN	DSW	EDH
0	2026/06/19	60% DESIGN	DSW	EDH

REVISION / ISSUE

PROJECT	APRON I REHABILITATION AND EXPANSION PROJECT
TITLE	TYPICAL CIVIL DETAILS
SCALE	NOT TO SCALE

Review	EDH	Project No.	25-295
Design	DSW	Drawing No.	C-050